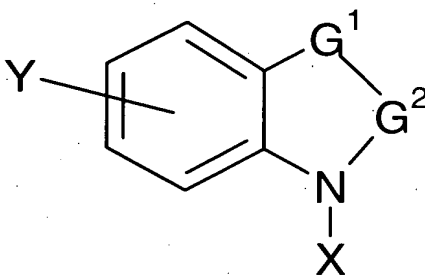


Amendments to the Claims

This claim listing will replace all prior versions of claims and claim listings in the application:

5

1. (Original) A compound structurally represented by Formula I



(I)

- 10 or pharmaceutically acceptable salts thereof wherein:

G¹ is -CH₂-, or -CH₂-CH₂-,

G² is -CH₂-, or -C(O)-,

or G¹ and G² taken together combine to form -CH=CH- or -CH₂-CH=CH-,

- 15 Y is

-OCH₂CH₂N-piperidinyl,

-OCH₂CH₂CH₂N-piperidinyl,

-OCH₂CH₂N-pyrrolidinyl,

-OCH₂CH₂CH₂N- pyrrolidinyl,

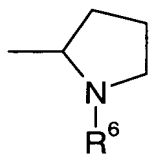
- 20 X is H, -COR³, -CH₂R⁴, -SO₂R⁵,

R³ is

-(C₁-C₈) alkyl, optionally substituted with 1 to 3 halogens,

-(C₃-C₈) cycloalkyl, optionally substituted with 1 to 3 halogens,

-O(C₁-C₈) alkyl, optionally substituted with 1 to 3 halogens,



, wherein R⁶ is -(C₁-C₆) alkyl, or -COO-(C₁-C₆) alkyl,

-Furanyl,

-Thienyl,

-NH-phenyl,

5 -NH-(C₁-C₄)alkyl-phenyl,

-NH-(C₁-C₈) alkyl, optionally substituted with 1 to 4 halogens,

-NH-(C₃-C₈) cycloalkyl, optionally substituted once or twice with halogens,

-CH₂-Pyridinyl,

-CH₂N (C₁-C₆) alkyl (C₁-C₆) alkyl,

10 -CH₂N-phenyl,

R⁴ is

-(C₁-C₈) alkyl, optionally substituted with 1 to 4 halogens,

-(C₃-C₈) cycloalkyl,

-(C₁-C₈) alkyl-NH₂,

15 -(C₁-C₄) alkyl -phenyl,

-CH₂N-phenyl,

-phenyl-O-(C₁-C₄) alkyl -phenyl,

-(C₁-C₄) alkyl-O-(C₁-C₄) alkyl-phenyl,

-CH₂NCO₂-(C₁-C₆) alkyl,

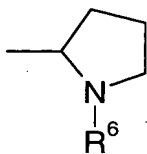
20 -Phenyl,

-Thienyl,

-Furanyl,

-Imidazolyl,

-Naphthyl,



, wherein R^6 is $-(C_1-C_6)$ alkyl, or $-COO-(C_1-C_6)$ alkyl,

-Biphenyl, and

R^5 is

-Phenyl,

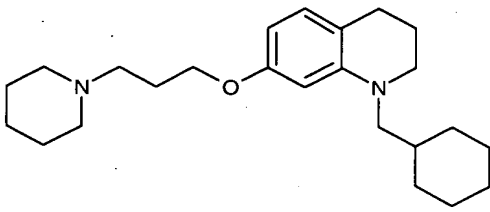
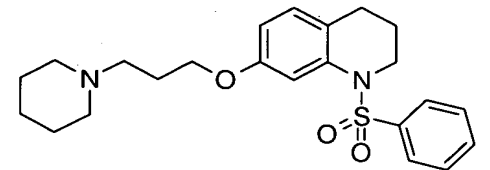
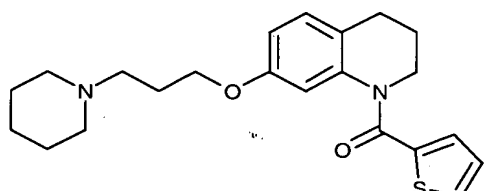
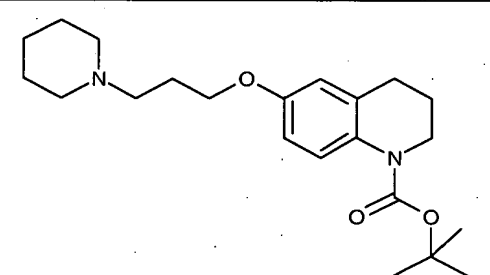
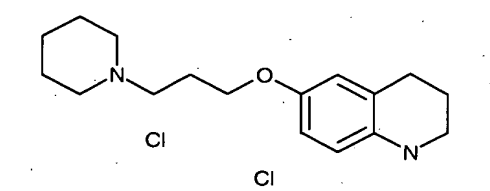
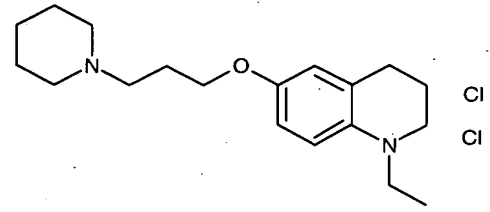
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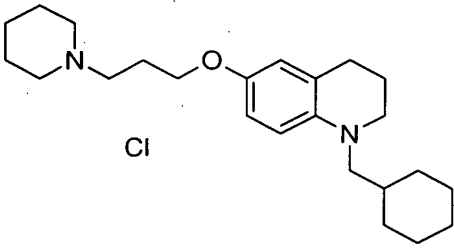
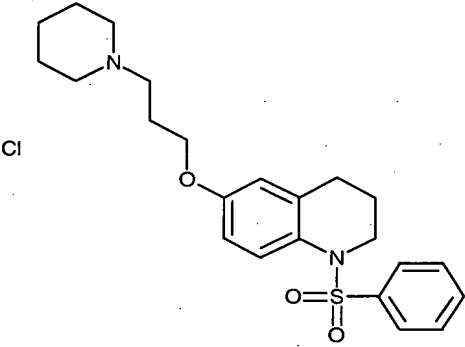
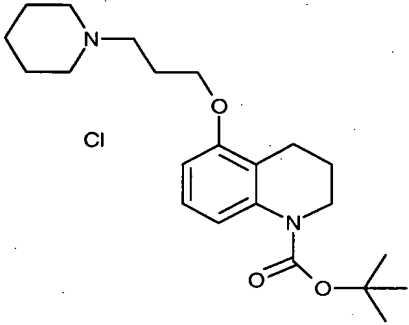
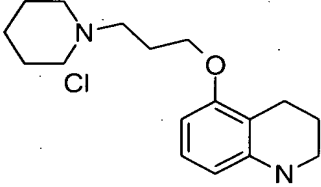
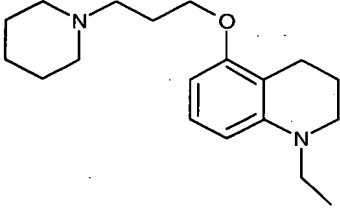
$-(C_1-C_4)$ alkyl,

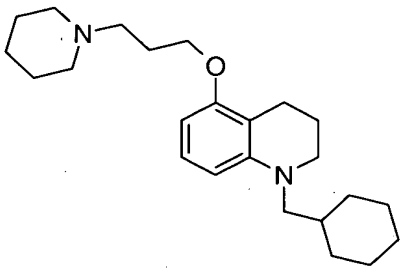
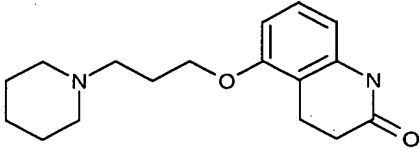
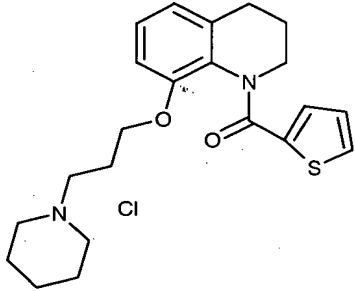
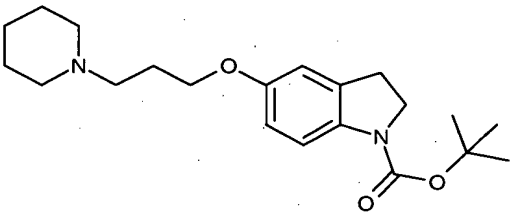
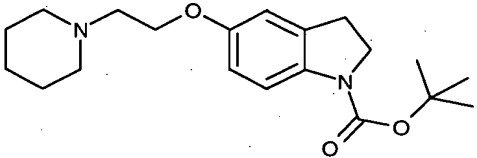
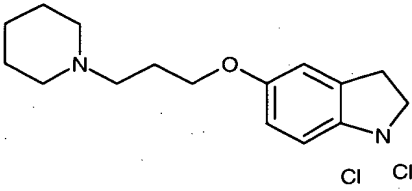
$-(C_1-C_4)$ alkyl -phenyl.

2. (Original) The compound of claim 1, wherein R^1 and R^2 cyclize to form a 5-membered ring.
3. (Original) The compound of claim 1, wherein R^1 and R^2 cyclize to form a 6-membered ring.
- 10 4. (Original) The compound of claim 2 wherein Y is in the 5 position.
5. (Original) The compound of claim 3 wherein Y is in the 6 position.
6. (Original) The compound of claim 4 wherein X is CO.
7. (Original) The compound of claim 1, selected from the group consisting of:

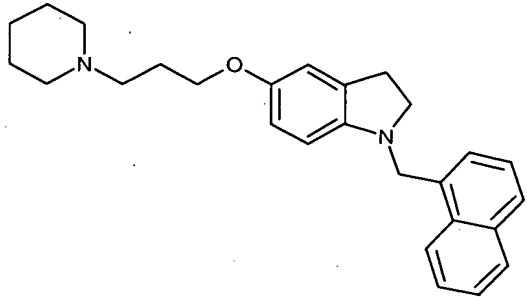
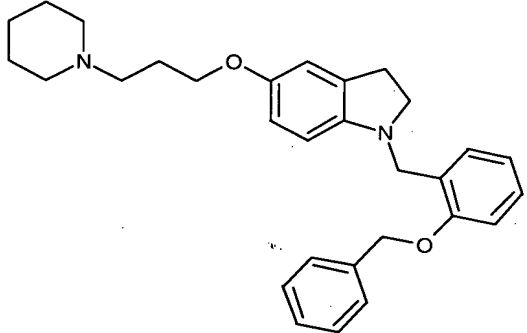
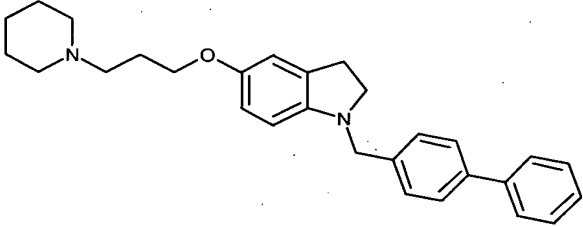
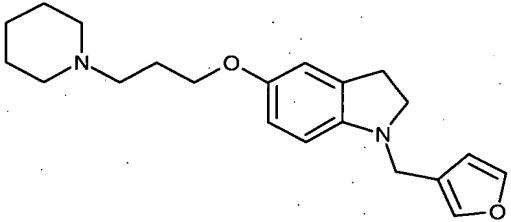
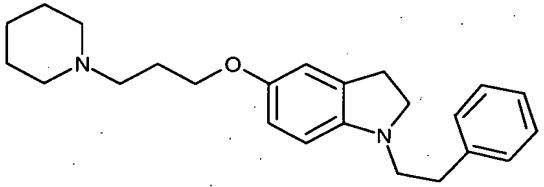
Example Number	Structure
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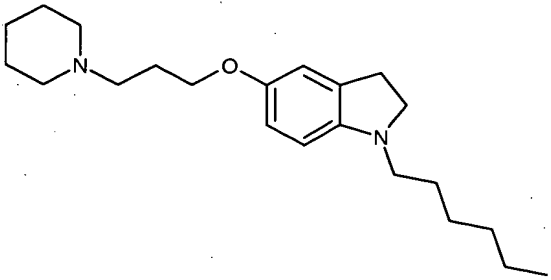
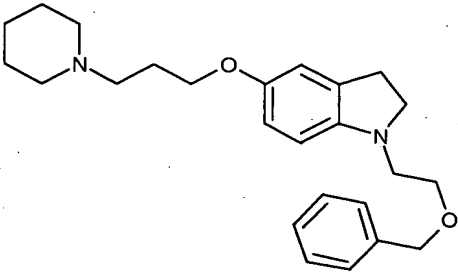
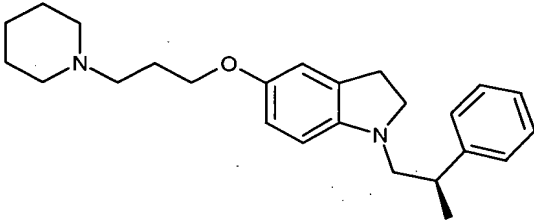
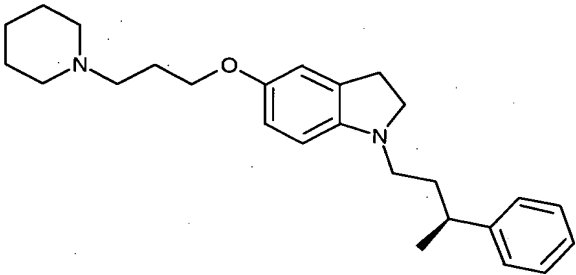
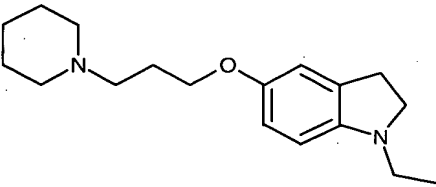
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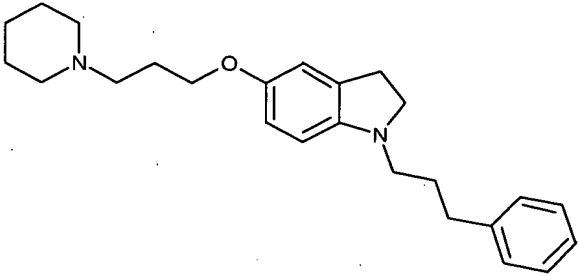
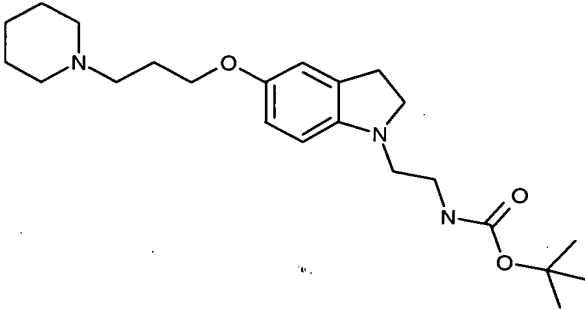
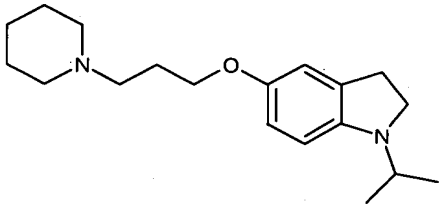
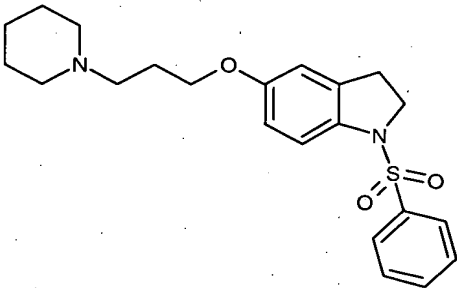
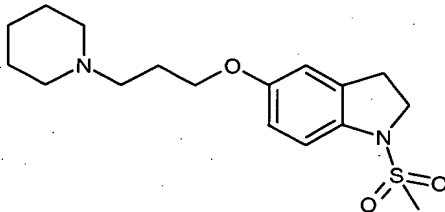
10	 <chem>ClC1CCN(CC1)CCOC2=CC=C3C(=C2)N(CCC4CCCCC4)CC3</chem>
11	 <chem>ClC1CCN(CC1)CCOC2=CC=C3C(=C2)N(CS(=O)(=O)C4=CC=CC=C4)CC3</chem>
12	 <chem>ClC1CCN(CC1)CCOC2=CC=C3C(=C2)N(C(=O)OC(C)(C)C)CC3</chem>
13	 <chem>ClC1CCN(CC1)CCOC2=CC=C3C(=C2)NCC3</chem>
14	 <chem>ClC1CCN(CC1)CCOC2=CC=C3C(=C2)N(CC)CC3</chem>

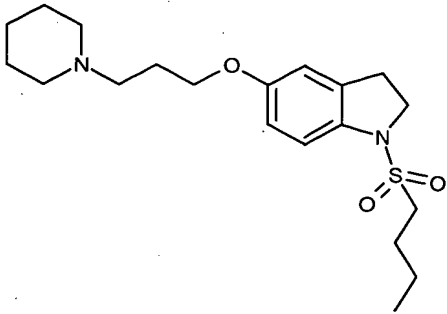
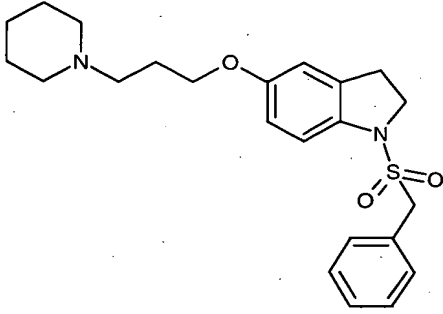
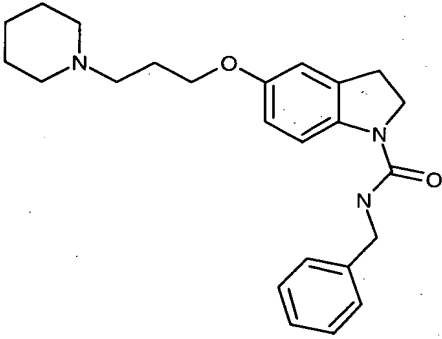
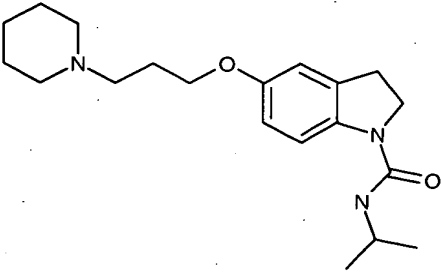
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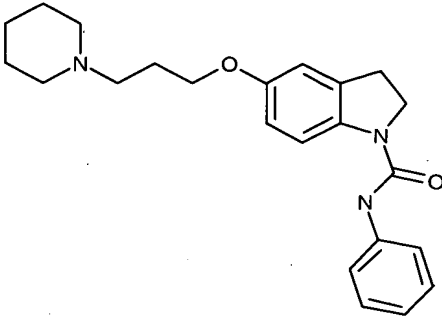
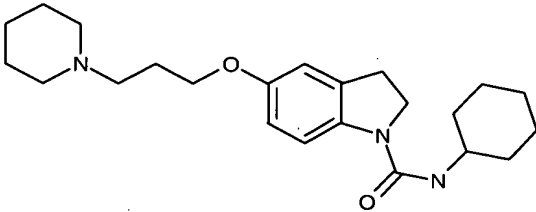
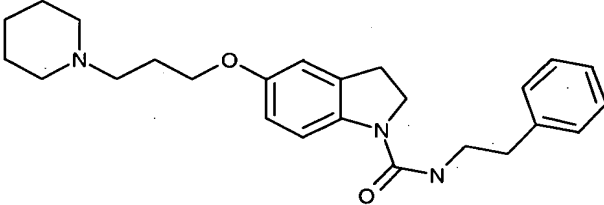
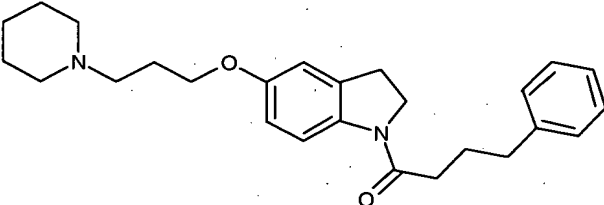
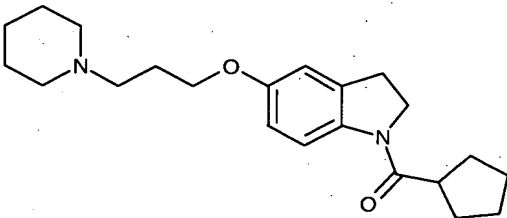
21	 <chem>ClCCN1CCCCC1Oc2ccc3c(c2)C=CNC3Cl</chem>
22	 <chem>CCN1CCCCC1OCCc2ccc3c(c2)C=CNC(C3)CCN</chem>
23	 <chem>CCN1CCCCC1OCCc2ccc3c(c2)C=CNC(C3)Cc4ccccc4</chem>
24	 <chem>CCN1CCCCC1OCCc2ccc3c(c2)C=CNC(C3)Cc4ccncc4</chem>
25	 <chem>CCN1CCCCC1OCCc2ccc3c(c2)C=CNC(C3)Cc4ccsc4</chem>
26	 <chem>CCN1CCCCC1OCCc2ccc3c(c2)C=CNC(C3)Cc4ccsc4</chem>

27	 <chem>C1CCN(C1)CCCCOC2=CC=C3C(=C2)C(=CN3Cc4ccccc5ccccc45)C6=CC=CC=C6</chem>
28	 <chem>C1CCN(C1)CCCCOC2=CC=C3C(=C2)C(=CN3Cc4ccccc4COc5ccccc5)C6=CC=CC=C6</chem>
29	 <chem>C1CCN(C1)CCCCOC2=CC=C3C(=C2)C(=CN3Cc4ccc(cc4)C5=CC=CC=C5)C6=CC=CC=C6</chem>
30	 <chem>C1CCN(C1)CCCCOC2=CC=C3C(=C2)C(=CN3Cc4ccoc4)C5=CC=CC=C5</chem>
31	 <chem>C1CCN(C1)CCCCOC2=CC=C3C(=C2)C(=CN3CCc4ccccc4)C5=CC=CC=C5</chem>

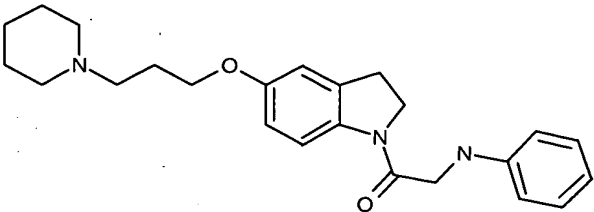
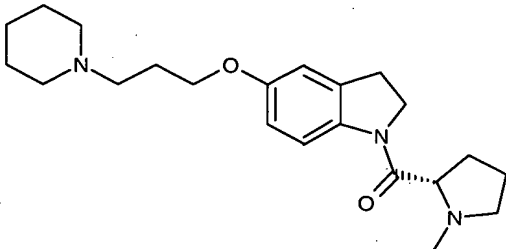
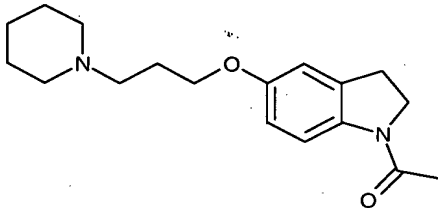
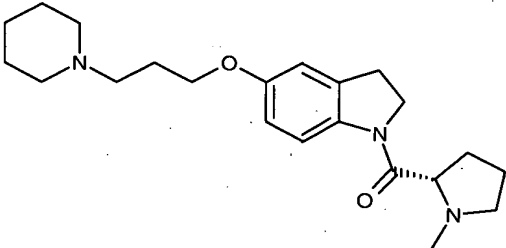
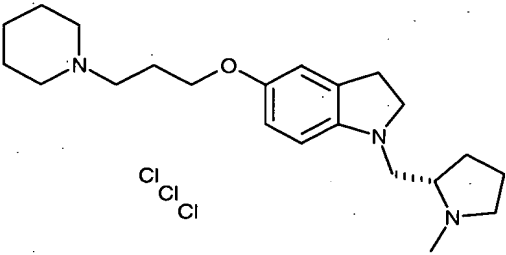
32	 <chem>CCCCCCCCN1CCc2cc(OCCCN3CCCCC3)ccc21</chem>
33	 <chem>CCOCN1CCc2cc(OCCCN3CCCCC3)ccc21CCOC4=CC=CC=C4</chem>
34	 <chem>CC(C1=CC=CC=C1)CN1CCc2cc(OCCCN3CCCCC3)ccc21</chem>
35	 <chem>CC(C1=CC=CC=C1)CN1CCc2cc(OCCCN3CCCCC3)ccc21</chem>
36	 <chem>CCN1CCc2cc(OCCCN3CCCCC3)ccc21</chem>

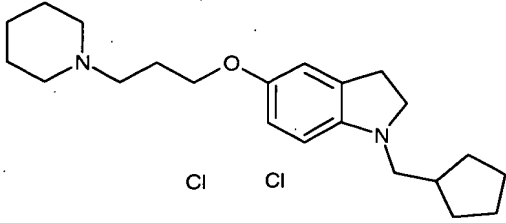
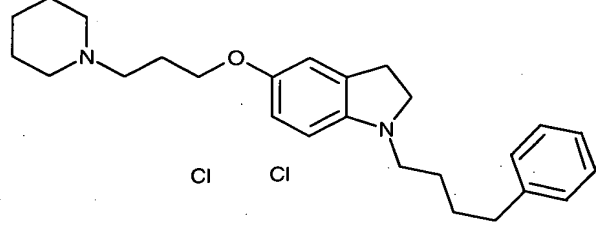
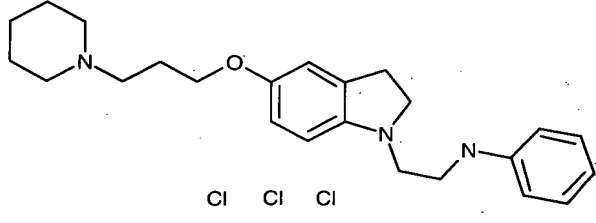
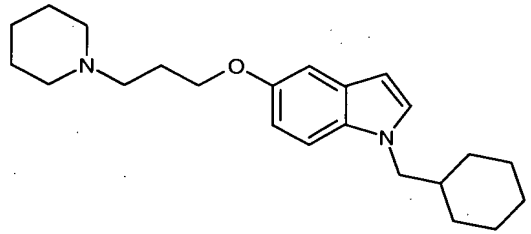
37	 <chem>C1CCN(C1)CCCCOc2ccc3c(c2)CNC(C3)CCCCc4ccccc4</chem>
38	 <chem>CC(C)(C)OC(=O)NCCCCN1Cc2ccc(OC3CCNCC3)cc21</chem>
39	 <chem>CC(C)N1Cc2ccc(OC3CCNCC3)cc21</chem>
40	 <chem>O=S(=O)(c1ccccc1)N1Cc2ccc(OC3CCNCC3)cc21</chem>
41	 <chem>OS(=O)(=O)N1Cc2ccc(OC3CCNCC3)cc21</chem>

42	 <chem>CCCCS(=O)(=O)N1CCc2ccc(cc2OCCCN3CCCCC3)C1</chem>
43	 <chem>c1ccccc1CS(=O)(=O)N1CCc2ccc(cc2OCCCN3CCCCC3)C1</chem>
44	 <chem>c1ccccc1CN(C=O)N1CCc2ccc(cc2OCCCN3CCCCC3)C1</chem>
45	 <chem>CC(C)N(C=O)N1CCc2ccc(cc2OCCCN3CCCCC3)C1</chem>

46	 <chem>c1ccccc1N(C(=O)N2C=CC=C2)C3=C(C=C4C=CC(=C4)OCCCN5CCCCC5)C=C5C3=C5</chem>
47	 <chem>C1CCCCC1N(C(=O)N2C=CC=C2)C3=C(C=C4C=CC(=C4)OCCCN5CCCCC5)C=C5C3=C5</chem>
48	 <chem>c1ccccc1CCCN(C(=O)N2C=CC=C2)C3=C(C=C4C=CC(=C4)OCCCN5CCCCC5)C=C5C3=C5</chem>
49	 <chem>c1ccccc1CCCC(N(C(=O)N2C=CC=C2)C3=C(C=C4C=CC(=C4)OCCCN5CCCCC5)C=C5C3=C5</chem>
50	 <chem>C1CCCC1C(=O)N2C=CC=C2C3=C(C=C4C=CC(=C4)OCCCN5CCCCC5)C=C5C3=C5</chem>

51	 <chem>CC(C)(C)OC(=O)N1CCCC1[C@H](C(=O)N2C=CC=C3C=C(C=C3)C=C2COCCCN4CCCCC4)C5=CC=CC=C5</chem> Chiral
52	 <chem>CC(C)(C)OC(=O)N1CCCC1[C@@H](C(=O)N2C=CC=C3C=C(C=C3)C=C2COCCCN4CCCCC4)C5=CC=CC=C5</chem> Chiral
53	 <chem>COc1ccccc1C(=O)N2C=CC=C3C=C(C=C3)C=C2COCCCN4CCCCC4</chem>
54	 <chem>c1ccc(C(=O)N2C=CC=C3C=C(C=C3)C=C2COCCCN4CCCCC4)cc1</chem>
55	 <chem>CN(C)CC(=O)N2C=CC=C3C=C(C=C3)C=C2COCCCN4CCCCC4</chem>

56	
57	Chiral 
58	
59	Chiral 
60	Chiral 

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62	
63	
64	

or a pharmaceutically acceptable salt or solvate thereof.

8. (Currently amended) A pharmaceutical composition which comprises a compound
 5 of ~~any of claims 1-7~~ 1 or 7 and a pharmaceutically acceptable carrier.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Currently amended) A method for treatment or prevention of obesity which
 10 comprises administering to a subject in need of such treatment or prevention an
 effective amount of a compound of ~~any of Claims 1-7~~ 1 or 7.

13. (Original) The method of Claim 12 wherein the antagonist is a pharmaceutical composition of claim 8.
14. (Currently amended) A method for treatment or prevention of a cognitive disorder ~~or disease in which inhibition of the histamine H3 receptor has a beneficial effect~~ which comprises administering to a subject in need of such treatment or prevention an effective amount of a compound of ~~any of claims 1-7~~ 1 or 7.
- 5
15. (New) The method of Claim 15 wherein the antagonist is a pharmaceutical composition of claim 8.